

SEQUENCE LISTING

<110> Advisys, Inc.

<120> Codon optimized Synthetic Plasmid

<130> 108328.00146

<160> 21

<170> PatentIn version 3.1

<210> 1

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<212> DNA

<213> artificial sequence

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<223> Plasmid vector having an analog GHRH sequence.

<400> 1

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 <213> artificial sequence

<220>
 <223> Plasmid vector having an analog GHRH sequence.

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<212> DNA
<213> artificial sequence

<220>
<223> Coding sequence having an antibiotic resistance gene Kanamycin.

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<210> 4
<211> 219
<212> DNA
<213> artificial sequence

<220>
<223> Sequence for an analog porcine GHRH sequence.

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<210> 5
 <211> 246
 <212> DNA
 <213> artificial sequence

<220>
 <223> Sequence for an analog mouse GHRH sequence.

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<210> 6
 <211> 234
 <212> DNA
 <213> artificial sequence

<220>
 <223> Sequence for an analog porcine GHRH sequence.

<400> 6
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 <211> 225
 <212> DNA
 <213> artificial sequence

<220>
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<220>
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 <211> 246
 <212> DNA
 <213> artificial sequence

<220>
 <223> Sequence for an analog chicken GHRH sequence.

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 ttctaa 246

<210> 10
 <211> 190
 <212> DNA
 <213> artificial sequence

<220>
 <223> Nucleic acid sequence of human growth hormone poly A tail.

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<210> 11
 <211> 55
 <212> DNA
 <213> artificial sequence

<220>
 <223> Nucleic acid sequence of human growth hormone 5' untranslated region

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<210> 12
 <211> 782
 <212> DNA
 <213> artificial sequence

<220>
 <223> Nucleic acid sequence of a plasmid pUC-18 origin of replication

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<210> 13
 <211> 5
 <212> DNA
 <213> artificial sequence

<220>
 <223> This is a NEO ribosomal binding site

<400> 13
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5

<210> 14
 <211> 29
 <212> DNA
 <213> artificial sequence

<220>
 <223> Nucleic acid sequence of a prokaryotic PNEO promoter.

<400> 14
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29

<210> 15
 <211> 323
 <212> DNA
 <213> artificial sequence

<220>
 <223> Nucleic acid sequence of a eukaryotic promoter c5-12.

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 gctaccggga ggagcgggag gcg 323

<210> 16
 <211> 210
 <212> DNA
 <213> artificial sequence

<220>
 <223> Optimized nucleic acid sequence of a human growth hormone poly A tail

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<210> 17
 <211> 2722
 <212> DNA
 <213> artificial sequence

<220>
 <223> Plasmid vector having a codon optimized mouse GHRH sequence

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<210> 18
 <211> 2725
 <212> DNA
 <213> artificial sequence

<220>
 <223> Plasmid vector having a codon optimized rat GHRH sequence

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caaatatggc gacgggttct caccgctcgc catatttggg tgtccgccct cggccggggc	240
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actcactata gggcgaattg gagct 2725

<210> 19
<211> 2716
<212> DNA
<213> artificial sequence

<220>
<223> Plasmid vector having a codon optimized bovine GHRH sequence

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gttggegetc taaaaataac tcccgggagt tatttttaga gcggaggaat ggtggacacc	180
caaatatggc gacggttctt caccgctgc catatttggg tgtccgccct cggccggggc	240
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agggcggaatt ggagct	2716

<210> 20
 <211> 2716
 <212> DNA
 <213> artificial sequence

<220>
 <223> Plasmid vector having a codon optimized ovine GHRH sequence

<400> 20	
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gttggcgctc taaaaataac tcccgggagt tatttttaga gcggaggaat ggtggacacc	180
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gagcagggcg cctgataagc ttatcggggt ggcacccctg tgaccctcc ccagtgcctc	660
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agggcgaatt ggagct	2716

<210> 21

<211> 2725

<212> DNA

<213> artificial sequence

<220>

<223> Plasmid vector having a codon optimized chicken GHRH sequence

<400> 21

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